Confirmation No.: 5911

Attorney Docket No.: 7298.098.NPUS02

CLAIMS LISTING:

1-7 (Cancelled)

8. (Original) A vehicular mountable cargo container (10) comprising:

a top portion (30) of said vehicular mountable cargo container hinge-connected for

pivotation relative to a bottom portion (32) of the cargo container between open and closed

configurations;

a pair of spring-biased struts (50), each operatively interposed between said top and

bottom portions of said vehicular mountable cargo container, and one each of said pair of spring-

biased struts located at opposed end regions of the cargo container;

each of said pair of spring-biased struts being configured to exclusively deliver an

assisting expansion force between the top and bottom portions of the cargo container for urging

the container toward the open configuration.

9. (Original) The vehicular mountable cargo container (10) as recited in claim 8, wherein each

of said pair of spring-biased struts is configured to avoid delivering a closing-assist force

between the top and bottom portions of the cargo container that urges the container toward the

closed configuration.

10. (Original) The vehicular mountable cargo container (10) as recited in claim 8, wherein each

of said pair of spring-biased struts is configured to prevent delivering a closing-assist force

between the top and bottom portions of the cargo container that urges the container toward the

closed configuration.

11. (Original) The vehicular mountable cargo container (10) as recited in claim 8, wherein each

of said pair of spring-biased struts is configured to perform in substantial unison, one with the

other, thereby urging maintenance of a parallel orientation of said top portion, relative to said

bottom portion of said cargo container when transitioned by an operator between the open and

closed configurations.

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12. (Original) The vehicular mountable cargo container (10) as recited in claim 8, wherein each

of said pair of spring-biased struts is configured to perform in substantial unison, one with the

other, thereby preventing an inducement of said top portion to torque, relative to said bottom

portion of said cargo container when transitioned by an operator between the open and closed

configurations.

13. (Original) The vehicular mountable cargo container (10) as recited in claim 8, further

comprising:

a cam surface provided at one of said two arms, said cam surface establishing a surficial

interaction between said two arms during transitions between said first and second strut

orientations; and

a force communication point (C_P) being defined by a point of support of the non-cam

surface including arm on said cam-including arm at said cam surface and which moves across

the cam surface as said two arms pivot relative to one another between said first and second strut

orientations during which said force communication point (C_P) remains exclusively on one side

of a line oriented parallel to a direction of said operationally effective force imposed by said

biasing spring between said two arms and intersecting a pivot connection between said two arms.

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14. (Currently Amended) A method for providing and controlling operation of a dual sided opening roof mount cargo box (10) for a carrying vehicle, said method comprising:

providing a dual sided opening roof mount cargo box (10) having a lid portion (30) releasably hinge-connected at two lateral sides to a bottom portion (32) of said cargo box (10) for alternate pivotation at each of the two lateral sides between open and closed configurations, said bottom portion (32) being adapted to be mounted to a carrying vehicle and said lid portion (30) being manufactured from a semi-flexible material sufficiently pliable to permit two opposite end regions thereof to be at different relative distances from the bottom portion (32) of the cargo box (10) during transition between the open and closed configurations;

providing a pair of spring-biased struts (50), each operatively interposed between said lid portion (30) and said bottom portion (32) of said cargo box (10), and one each of said pair of spring-biased struts (50) being located at said two opposite end regions of said cargo box; and imposing an expansively directed force on said lid portion (30), utilizing said pair of spring-biased struts (50), across a substantial entirety of travel of said lid portion (30) during operator induced movement from said closed configuration to said open configuration and thereby assisting the operator to smoothly open said cargo box (10).

15. (Original) The method as recited in claim 14, further comprising:

controlling said expansively directed force, through configuration of said pair of spring-biased struts (50), to have a magnitude that substantially balances a weight of said lid portion (30) across a range of motion (T) of said lid portion (30) when operating in proximity of said closed configuration.

16. (Original) The method as recited in claim 15, wherein said control of said expansively directed force to a magnitude that substantially balances the weight of said lid portion (30) facilitates an operator's even lifting of said lid portion (30) across said range of motion (T) thereby avoiding strut-induced twist in said lid portion (30).

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17. (Original) The method as recited in claim 15, further comprising:

controlling said expansively directed force, through configuration of said pair of springbiased struts (50), to have a magnitude that increases compared to that imposed across the range of motion (T) of said lid portion (30) when operating in proximity of said open configuration.

18. (Original) The method as recited in claim 15, further comprising:

controlling said expansively directed force, through configuration of said pair of springbiased struts (50), to have a substantially zero magnitude when said lid portion (30) is in said closed configuration and thereby avoiding fatigue inducement at the strut-engaging portions of the lid portion (30) and bottom portion (32) of the cargo box (10).

19. (Currently Amended) The method as recited in claim 15, wherein each of said pair of spring-biased struts (50) further comprises:

two arms (60, 70) operatively connected for pivotation relative to one another through a delimited range of motion;

a biasing spring (80) operatively interposed between said two arms (60, 70) for operational influence during transition between first and second strut orientations that correspond to said open and closed configurations of said cargo box (10); and

said two arms (60, 70) connected, one each, to said lid and bottom portions (30, 32) of said cargo box (10) thereby enabling said strut (50) to deliver said expansively directed force for urging the cargo box (10) into the open configuration.

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20. (Original) The method as recited in claim 19, wherein each of said pair of spring-biased

struts (50) further comprises:

a cam surface provided at one of said two arms and thereby establishing a cam-including

arm and a non-cam-including arm, said cam surface establishing a surficial interaction between

said two arms during transitions between said first and second strut orientations; and

delimiters (46, 47) configured to limit the range of relative motion between said two arms

so that throughout the entire range of transitional motion of said strut between said first and

second strut orientations, said operationally effective force imposed by said biasing spring

between said two arms urges exclusively unidirectional pivotation of said cam-including arm

relative to said non-cam-including arm.

21. (Original) The method as recited in claim 20, wherein each of said pair of spring-biased

struts (50) further comprises:

a force communication point (C_P) being defined by a point of support of said non-cam-

including arm on said cam-including arm at said cam surface and which moves across said cam

surface as said two arms pivot relative to one another between said first and second strut

orientations during which said force communication point (C_P) remains exclusively on one side

of a line oriented parallel to a direction of said operationally effective force imposed by said

biasing spring between said two arms and intersecting a pivot connection between said two arms.

22. (Original) The method as recited in claim 21, wherein each of said pair of spring-biased

struts (50) further comprises:

said non-cam-including arm comprising an arm body housing a spring biased slider

therein, said slider being configured for relative reciprocation within said arm body and said

slider presenting a reception surface for establishing a sliding point of contact with said cam

surface of said cam-including arm; said sliding point of contact coinciding with said force

communication point (C_P) .

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23. (Original) The method as recited in claim 19, wherein each of said pair of spring-biased

struts (50) further comprises:

a cam surface provided at one of said two arms and thereby establishing a cam-including

arm and a non-cam-including arm, said cam surface establishing a surficial interaction between

said two arms during transitions between said first and second strut orientations; and

a force communication point (C_P) being defined by a point of support of the non-cam-

including arm on said cam-including arm at said cam surface and which moves across the cam

surface as said two arms pivot relative to one another between said first and second strut

orientations during which said force communication point (C_P) remains exclusively on one side

of a line oriented parallel to a direction of said operationally effective force imposed by said

biasing spring between said two arms and intersecting a pivot connection between said two arms.

24. (Original) The method as recited in claim 23, wherein each of said pair of spring-biased

struts (50) further comprises:

said non-cam-including arm comprising an arm body housing a spring biased slider

therein, said slider being configured for relative reciprocation within said arm body and said

slider presenting a reception surface for establishing a sliding point of contact with said cam

surface of said cam-including arm; said sliding point of contact coinciding with said force

communication point (C_P).

25. (Original) The method as recited in claim 24, wherein each of said pair of spring-biased

struts (50) further comprises:

said line oriented parallel to the direction of said operationally effective force imposed by

said biasing spring between said two arms and intersecting a pivot connection between said two

arms being further oriented substantially parallel to a longitudinal axis (V_L) of the non-cam-

including arm.

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26. (Original) The method as recited in claim 19, wherein each of said pair of spring-biased

struts (50) further comprises:

said operationally effective force imposed by said biasing spring between said two arms

being a summation of a plurality of vector forces imposed by said biasing spring between said

two arms.

27. (Original) The method as recited in claim 19, wherein each of said pair of spring-biased

struts is configured to prevent the provision of a closing-assist force between said lid portion

(30) and said bottom portion (32) that urges said cargo box (10) toward the closed configuration.

28. (Original) The method as recited in claim 19, wherein each of said pair of spring-biased

struts is configured to perform in substantial unison, one with the other, thereby urging

maintenance of a parallel orientation of said lid portion (30), relative to said bottom portion of

said cargo box (10) when transitioned by an operator between the open and

closed configurations.

29. (Original) The method as recited in claim 19, wherein each of said pair of spring-biased

struts is configured to perform in substantial unison, one with the other, thereby preventing an

inducement of said lid portion to torque, relative to said bottom portion of said cargo box when

transitioned by an operator between the open and closed configurations.